

PTO-1449

Docket No.:  
M8540/271078Application No.  
10/070,595

INFORMATION DISCLOSURE  
CITATION  
IN AN APPLICATION  
(Use several sheets if necessary)

Applicant:  
Gary Anthony JUBB, et al.Filing Date:  
July 3, 2002Group Art Unit  
1731

## U.S. PATENT DOCUMENTS

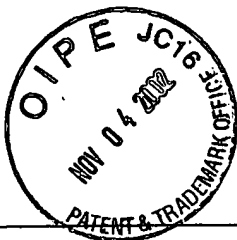
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SAR	6,180,546	01/30/01	Jubb, et al.			
	6,060,414	05/09/00	Holstein, et al.			
	6,037,284	03/14/00	Holstein, et al.			
	5,997,315	12/07/99	Jubb			
	5,994,247	11/30/99	Jubb, et al.			
	5,955,389	09/21/99	Jubb			
	5,928,975	07/27/99	Jubb			
	5,843,854	12/01/98	Karppinen, et al.			
	5,821,183	10/13/98	Jubb			
	5,811,360	09/22/98	Jubb			
	5,714,421	02/03/98	Olds, et al.			
	5,691,255	11/25/97	Jensen, et al.			
	RE 35,557	07/08/97	Thelohan, et al.			
	5,614,449	03/25/97	Jensen			
	5,583,080	12/10/96	Goldberg, et al.			
	5,552,213	09/03/96	Eschner, et al.			
	5,407,872	04/18/95	Komori, et al.			
	5,401,693	03/28/95	Bauer			
	5,346,868	09/13/94	Eschner			
	5,332,699	07/26/94	Olds et al.			
	5,312,806	05/17/94	Mogensen			
	5,250,488	10/05/93	Thelohan et al.			
	5,248,637	09/28/93	Taneda et al.			
	5,217,529	06/08/93	Tiesler et al.			
	5,135,893	8/04/92	Dohi, et al.			
	5,121,748	06/16/92	Ditz et al.			
	5,108,957	04/28/92	Cohen et al.			
	5,055,428	10/08/91	Potter			
	5,032,552	07/16/91	Nonami et al.			
	4,957,559	09/18/90	Tiesler et al.			
	4,693,740	09/15/87	Noiret et al.			
	4,678,659	07/07/87	Drake et al.			
	4,661,134	04/28/87	Hartung			
	4,615,988	10/07/86	Le Moigne et al.			
	4,555,492	11/26/85	Ekdahl et al.			
	4,482,541	11/13/84	Telfer et al.			
	4,443,550	04/17/84	Kume et al.			

Examiner:

Date Considered:

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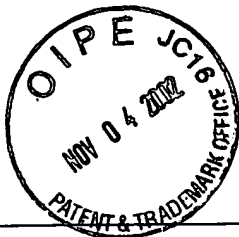
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## U.S. PATENT DOCUMENTS

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SAJ	4,437,192	03/20/84	Fujiu <i>et al.</i>			
	4,430,369	02/07/84	Payne			
	4,377,415	03/22/83	Johnson <i>et al.</i>			
	4,366,251	12/28/82	Rapp			
	4,351,054	09/21/82	Olds			
	4,342,581	08/03/82	Neubauer <i>et al.</i>			
	4,325,724	04/20/82	Froberg			
	4,274,881	06/23/81	Langton <i>et al.</i>			
	4,251,279	02/17/81	Ekdahl			
	4,238,213	12/09/80	Pallo <i>et al.</i>			
	4,205,992	06/03/80	Mogensen <i>et al.</i>			
	4,153,439	05/08/79	Tomic <i>et al.</i>			
	4,055,434	10/25/77	Chen <i>et al.</i>			
	4,054,472	10/18/77	Kondo <i>et al.</i>			
	4,047,965	09/13/77	Karst, <i>et al.</i>			
	4,036,654	07/19/77	Yale <i>et al.</i>			
	3,969,121	07/13/76	Atkinson			
	3,887,386	06/03/75	Majumdar			
	3,835,054	09/10/74	Olewinski, <i>et al.</i>			
	3,799,836	03/26/74	Rogers, <i>et al.</i>			
	3,449,137	06/10/69	Ekdahl			
	3,348,956	10/24/67	Ekdahl			
	588,493	12/08/59	Hartwig			
	2,823,416	02/18/58	Powell			
	2,577,431	12/04/51	Powell			
	2,576,312	11/27/51	Minnick			
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	2,520,168	08/29/50	Powell			
	2,428,810	10/14/47	Powell			
	2,308,857	01/19/43	Bowes			
	2,155,107	04/18/39	Tyler <i>et al.</i>			
	2,116,303	05/03/38	Coss			
2AB	2,051,279	08/18/36	Thorndyke			

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Examiner: <u>SAJ</u>	Date Considered: <u>9/15/03</u>
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<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation	
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		WO 96/30314	10/03/96	PCT				
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	WO 93/19596	10/14/93	PCT					
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		0 588 251 A1	03/23/94	Europe				
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	GB 2 164 557 A	03/26/86	United Kingdom				
	GB 2 150 553 A	07/03/85	United Kingdom				
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\*related to GB1209244

\*\*related to GB810773



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	63007	12/31/82	Finland				X
	104380	04/28/42	Sweden				X
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	52-139113	11/19/77	Japan			X	
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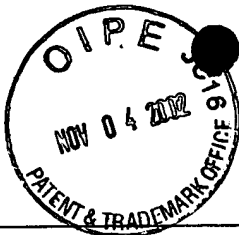
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<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)			
EAB		Brochure showing Manville Corporation entitled "Insulating Fiber Products" for New Superwool™ Product (two pages, undated)	
		Thermal Ceramics Product Information Brochure entitled Superwool Blanket (Grade X-607), 2 pages (undated)	
		Brochure by Carborundum Company entitled "Insulfrax" Specialty Glass Fiber Product Specification, 8 pages (03/93)	
		Brochure by Paraisten Kalkki Oy entitled "Hohe Temperaturen? Großer Wärmeverlust? PARGAS-Platten 1000°C, 3 pages (undated)	
		"Fiber Glass," J. Mohr and W. Rowe, Table of Contents and pp. 4-27 (Van Nostrand Reinhold Company) (undated)	
		"Prediction of Glass Durability as a Function of Glass Composition and Test Conditions: Thermodynamics and Kinetics," C.M. Jantzen, <i>Advances in the Fusion of Glass</i> , pp. 24.1-24.17 (undated)	
		"Stability of Radioactive Waste Glasses Assessed from Hydration Thermodynamics," M.J. Plodinec, C.M. Jantzen, and G.G. Wicks, pp. 755-758 (undated)	
		"Nuclear Waste Glass Durability: I, Predicting Environmental Response from Thermodynamic (Pourbaix) Diagrams," Carol M. Jantzen, <i>Journal of American Ceramic Society</i> , 75(9):2433-2448 (1992)	
		"Calcium Aluminate Glass Fibers: Drawing from Supercooled Melts Versus Inviscid Melt Spinning," F.T. Wallenberger <i>et al.</i> , <i>Materials Letters</i> , 11:229-235 (1991)	
		"Chemical Durability of Glass," <i>Chemistry of Glasses</i> , Chapter 6, 2nd Edition, A. Paul, pp. 179-218 (Chapman and Hall) (1990)	
		<i>Chemical Abstracts</i> , 110(10):373, Abstract No. 81274g (equivalent to CN-A-87 108257) (1989)	
		"Low-Cost Reinforcing Fibers Promise a High Level of Performance," S.A. Dunn, <i>Modern Plastics International</i> , pages 50-51 (June 1989)	
		"The Behaviour of Mineral Fibres in Physiological Solutions," H. Förster, <i>Proceedings of 1982 WHO IARC Conference</i> , Copenhagen, Volume 2, pages 27-55 (1988)	
		"Chemical Durability," <i>Glass Science and Technology</i> , Chapter 34, pp. 377-388 (Elsevier) (1988)	
		"Glass-Water Interactions," H. Scholze, <i>Journal of Non-Crystalline Solids</i> , 102:1-10 (1988)	
		"The Reactions of MMMF in a Physiological Model Fluid and in Water," R. Klingholz & B. Steinkopf, <i>Proceedings of 1982 WHO IARC Conference</i> , Copenhagen, Volume 2, pages 61-86 (1988)	
		"Solubility and Durability of Manmade Mineral Fibers in Physiological Fluids," J. Bauer, <i>et al.</i> , (nineteen pages; dated no later than 1988)	
✓		Standard Test Methods for Fire Tests of Building Construction and Materials, ASTM Designation: E119-88, pp. 1-21 (1988)	
EAB		"An <i>In Vitro</i> Study of the Chemical Durability of Siliceous Fibres," H. Scholze & R. Conradt, <i>Annals of Occupational Hygiene</i> , 31:48, pages 683-692 (1987)	
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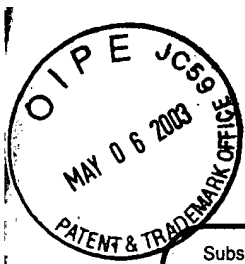
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<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)			
EAB		"In vitro Study on Siliceous Fibres," H. Scholze & R. Conradt, <i>Proceedings of 1986 WHO IARC Conference</i> , 25 pages (1986)	
		"Chemical Durability of Asbestos and of Man-made Mineral Fibres <i>in vivo</i> ," B. Bellman <i>et al.</i> , <i>Aerosol Scientist</i> , Vol. 17(3):341-345 (1986)	
		"Prediction of Nuclear Waste Glass Durability from Natural Analogs," C.M. Jantzen, <i>Advances in Ceramics</i> , Vol. 20, 10 pages, Nuclear Waste Management II (1986)	
		"Thermodynamic Model of Natural, Medieval and Nuclear Waste Glass Durability," C.M. Jantzen <i>et al.</i> , <i>Journal of Non-Crystalline Solids</i> , 67:207-233 (1984)	
		"A New Approach to Predicting the Durability of Glasses from Their Chemical Compositions," R.G. Newton and A. Paul, <i>Glass Technology</i> , 21(6):307-309 (Decemer 1980)	
		"Inviscid Spinning of Filaments via Chemical Jet Stabilization," R.E. Cunningham, L.F. Rakestraw and S.A. Dunn, <i>The American Institute of Chemical Engineers Symposium Series</i> , No. 180, Vol. 74:20-31 (1978)	
		"Chemical Durability of Glasses in the Systems $\text{SiO}_2\text{-CaO-Na}_2\text{O-R}_m\text{O}_n$ ," H. Ohta and Y. Suzuki, <i>Ceramic Bulletin</i> , Vol. 57(6):602-604 (1978)	
		"A Scale of Acidity and Basicity in Glass," The Glass Industry, Kuan-Han Sun, pp. 73-74 (February 1948)	
	✓	"Mineral Wool," by J. R. Thoenen, <i>Encyclopedia of Chemical Technology</i> , Kirk & Othmer, Vol. 9:122-132 (The Interscience Encyclopedia, Inc., New York (copyright 1952)	
		"Mineral Wool," U.S. Bureau of Mines Information Circular I.C. 6984R, pp. 1-62 (June 1939)	
		"Slag Wools," <i>Inorganic Fibres</i> , pp. 111-127 (undated)	
		"Preparation and Properties of Barium Ferrite Using Hot-Rolled Mill Scale," Chien, Yung-Tsen, <i>et al.</i> , <i>J. Am. Ceram. Soc.</i> , Vol 72(8):1328-1332 (1989)	
		"The Dissolution of Asbestos Fibres in Water," Gronow, J., <i>Clay Minerals</i> , Vol. 22:21-35 (1987)	
		"Man-Made Vitreous Fibers: An Overview of Studies on Their Biologic Effects," Gross, P., <i>Am. Ind. Hyg. Assoc. J.</i> , Vol. 47(11):717-723 (November 1986)	
		"Solubility of Asbestos and Man-Made Fibers <i>In Vitro</i> and <i>In Vivo</i> : Its Significance in Lung Disease," Morgan, A., <i>et al.</i> , <i>Environmental Research</i> , Vol. 39:475-484 (1986)	
✓	✓	"Corrosion Phenomena in Glass Fibers and Glass Fiber Reinforced Thermosetting Resins," Bledzki, A. <i>et al.</i> , <i>Composites Science &amp; Technology</i> , (Harris and Chou, eds., Elsevier Applied Science Publishers), Vol. 23:263-285 (1985)	
EAP		"Fiber Toxicology," Leineweber, J.P., <i>J. Occupational Medicine</i> , Vol. 23(6):431-434 (June 1981)	
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<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)		
<input checked="" type="checkbox"/>	"Development of a Deoiling Process for Recycling Millscale," <i>Recycling in the Steel Industry, Proceedings of the 1st Process Technology Conference</i> , Vol. 1:184-187, Washington, D.C., (March 25-26, 1980)	
<input checked="" type="checkbox"/>	"Effects of Glass Surface Area to Solution Volume Ration on Glass Corrosion," Ethridge, E.C. et al., <i>Physics and Chemistry of Glasses</i> , Vol. 20(2):35-40 (April 1979)	
<input checked="" type="checkbox"/>	"Glass Compositions for Glass Fibers," Moriya, Ichiro, et al., <i>Chemical Abstracts</i> , Vol. 89, page 285, Abstract 89:184615w (1978)	
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<input checked="" type="checkbox"/>	✓ Ofentechnik Stahl & Eisen, "Furnace technology ... Heat and Energy." 110(6):115 (June 1990)	
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<input checked="" type="checkbox"/>	Database WPIL Section Ch. Week 8218, 82-36551E (equivalent to JP-B-57016938 (undated)	
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<input checked="" type="checkbox"/>	WPI Abstract Accession No. 81-26226D and JP56016578 (02/17/81)	
<input checked="" type="checkbox"/>	Insulcon Technical Datasheet entitled "Refractory Fiber Products" (seven pages, 11/92)	
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Sheet 2 of 2

**Complete if Known**

Application Number	10/070,595
Filing Date	July 3, 2002
First Named Inventor	Jubb, et al.
Group Art Unit	1731
Examiner Name	
Attorney Docket Number	M8540/271078

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GROUP 1700**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EAB		Klinger, et al., "Recent developments in high-temperature heat-insulating materials of ceramic fibre," Conference Proceedings from 7 <sup>th</sup> Duisburger Warmedammtagen (Thermal Insulation Conference) March 12, 13, 1997 (pages 1-13) and its English translation	
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